A KDF9 Bibliography

Many of the following documents can be viewed or downloaded. Online sources at time of writing are indicated thus:

† See: academic.oup.com/comjnl

§ See: sw.ccs.bcs.org/CCs/KDF9/Wichmann

¶ See: www.computerconservationsociety.org

* See: www.findlayw.plus.com/KDF9

See also:

- www.webarchive.org.uk/wayback/archive/20130303230703/www.roylongbottom.org.uk/whetstone.htm
- *Worth a Thousand Words:* www.youtube.com/watch?v=JaHqzQtaVmM

Design of an Arithmetic Unit Incorporating a Nesting Store
R. H. Allmark and J. R. Lucking
Proceedings of the IFIP Congress 62, pp. 694-698; 1962.

G.O.L.D. Users Manual
W. Bowie, R. N. Maddison, G. Matkovits, J.M. Wilson
University of Glasgow Department of Computing; 1967.

Atlas Autocode Compiler for KDF9
P. Bratley, D. Rees, P. Schofield and H. Whitfield
Edinburgh University Computer Unit Report No.4; 1965.

†*The Autocode Programs developed for the Manchester University Computers*
R. A. Brooker
Computer Journal, Vol.1 No.1; 1958.

†*The Main Features of Atlas Autocode*
R. A. Brooker, J. S. Rohl and S. R. Clark
Computer Journal, Vol.8 No.4,; 1966.

†*The EGDON System for the KDF9*
D. Burns, E. N. Hawkins, D. R. Judd and J. L. Venn,
Computer Journal, Vol.8 No.4; 1966.
Reprinted in: *Classic Operating Systems: From Batch Processing to Distributed Systems*, ed. P.B. Hansen;
Springer 978-0387951133; 2001.

**A Users' Guide to COTAN, CLM-M75*
Computing and Applied Mathematics Group, Culham Laboratory; January 1968.

**A Users' Guide to COTAN*
Computing and Applied Mathematics Group, Culham Laboratory; December 1968.

**A Synthetic Benchmark*
H.J. Curnow and B.A. Wichmann,
Computer Journal, Vol. 19 No. 1; 1976.

The English Electric KDF9 Computer System
G.M. Davis
BCS Computer Bulletin, Vol. 4 No. 3; 1960.

†*Implementation of ALGOL 60 for the English Electric KDF9*
F. G. Duncan
Computer Journal, Vol.5 No.4; 1962.

†*Input and output for ALGOL 60 on KDF9*
F. G. Duncan
Computer Journal, Vol.5 No.4; 1963.

DEUCE Alphacode Manual
DEUCE Library Service;
Data Processing and Control Systems Division, English Electric Company Limited; 19??

**KDF9: Basic Organisation of Controls; and Instruction Timings*
J.R. Lucking and J.P. O'Neil
Report K/GD.y.73, The English Electric Company Limited; 9 July 1962.

An Introduction to the KDF9 Computer
J.A. Edwards
English Electric Company Report K/GD.y.77; 9 August 1962.

Version of 16/10/18 22:12:37 © 2018 William Findlay (kdf9@fndlayw.plus.com)

This document is licensed under a Creative Commons Attribution 3.0 License: http://creativecommons.org/licenses/by-nc-sa/3.0/

Notes on KDF 9 Main Control
J.A. Edwards
Report K/GD.u.293, The English Electric Company Limited; 7 September 1962.

Notes on KDF9 Arithmetic Control
J.A. Edwards
English Electric Company Report K/GD.u.331; 28 September 1962.

KDF 9—Transformer Sequence Units
J.R. Lucking
Report K/GD.y.81, The English Electric Company Limited; 15 November 1962.

KDF9: Shifting and Shift Control
J.R. Lucking and J.P O'Neil
English Electric Company Report K/GD.y.80; 10 December 1962.

Floating Point Arithmetic in KDF9
J.R. Lucking and J.P O'Neil
English Electric Company Report K/GD.y.83; 12 December 1962.

The Input Output Control of KDF9
D.J. Caton
English Electric Company Report K/GD.n.47; 29 April 1963.

Programmes to Investigate Timings on KDF9
Miss P. Fell;
English Electric – Leo Computers Report No. K/AA u 29; 10 June 1963.

The KDF9 Multiplier-Divider Unit Part A
J.R. Ellison
English Electric Company Report K/GD.y.99; 17 June 1963.

Interruption and Fetch Next Instruction Sequences of KDF9 Main Control
J.R. Lucking
English Electric Company Report K/GD.y.82; 1 July 1963.

Corrections to Report No. K/GD.y.99 : The KDF9 Multiplier-Divider Unit Part A
J.R. Ellison
English Electric Company Report K/GD.y.99; 12 August 1963.

FORTRAN
KDF9 Service Routine Library Manual, Section 13.3; English Electric Leo; 196?.

KDF9 Program Index
Computer Library Service; English Electric Leo; 1964.

KDF9 Subroutine Index
Computer Library Service; English Electric Leo; 1964.

Paper Tape Generator
KDF9 Service Routine Library Manual, Section 10.1; English Electric Leo; 1965.

ALPHACODE
KDF9 Service Routine Library Manual, Section 13.2; English Electric Leo; 1966.

KDF9 Egdon Programming System: Part 1 Programmers Description
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1966.

KDF9 Egdon Programming System: Part 2 Operating System
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1966.

PROMPT
KDF9 Service Routine Library Manual, Section 6.1; English Electric–Leo–Marconi Computers Limited; 1967.

Egdon System Reference Manual
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1968.

Program KMG01, Report Program Generator
KDF9 Service Routine Library Manual, Section 12.1; English Electric–Leo–Marconi Computers Limited; 1968.

KDF9 ALGOL Programming
Publication 1002 mm (R) 1000565, English Electric–Leo–Marconi Computers Limited; 1969.

This document is licensed under a Creative Commons Attribution 3.0 License: http://creativecommons.org/licenses/by-nc-sa/3.0/

*The English Electric KDF9
W. Findlay; 2018.

*The Hardware of the KDF9
W. Findlay; 2018

*The Software of the KDF9
W. Findlay; 2018.

*Users' Guide for ee9: an English Electric KDF9 Emulator
W. Findlay; 2018.

†The implementation of syntax analysis using ALGOL, and some mathematical applications
E. Foxley and P. King
Computer Journal, Vol.10, No.4; 1968.

†K Autocode
A. Gibbons,
Computer Journal, Vol.11 No.4; 1968.

KDF9 Computer System
A.C.D. Haley,
Proceedings of the Fall Joint Computer Conference, AFIPS Conference Proceedings, Vol.22; 1962.

A multi-pass translation scheme for ALGOL 60
E.N. Hawkins and D.H.R. Huxtable,
Annual Review in Automatic Programming, Vol. 3, Pergamon Press; 1963.

¶KDF9 Time Sharing: Eldon 2 is not EGDON!
D. Holdsworth
Computer Resurrection, the Bulletin of the Computer Conservation Society, no.49; winter 2009/10.

On writing an optimizing translator for ALGOL 60
D.H.R. Huxtable,
Introduction to System Programming, APIC Studies in Data Processing, No.4, Academic Press; 1964.

*Improving the Usercode Generated by the Kidsgrove Algol Compiler
R. Healey and B. A. Wichmann; National Physical Laboratory CCU TM3; 1971.

*KDF9 Programming Manual
Publication 1003 mm, 2nd Edition, International Computers Limited; October 1969.

A software teletype exchange
D.A. Jones and N.J. Partington
Software: *Practice and Experience*, Vol.4 Issue 2; 1974.

†An algorithm for scheduling storage on a non-paged computer
D.C. Knight
Computer Journal, Vol.11 No.1; 1968.

An Algol 60 System for Undergraduates
D.J. Leigh
Int. J. Math. Educ. Sci. Technol., Vol.5 pp. 553-554; 1974.

An Atlas Autocode to ALGOL 60 translator
A. T. McEwan
Computer Journal, Vol.9 No.4; 1967.

Provisional Specification for the KDF9 Software Interface
J.L. Martin
National Physical Laboratory KSWP/P5; 20 May 1966.

†Software to translate TELCOMP programs into KDF9 ALGOL
K. A. Mulholland
Computer Journal, Vol.12 No.3,; 1969.

Report on the Algorithmic Language ALGOL 60
ed. P. Naur; 1960.
A copy can be seen in *Egdon System Reference Manual*, Chapter 7, 'EGDON ALGOL'.

*How to Write Efficient K/Algol Programs
J. Ogden
University of Glasgow Computing Laboratory; 1965.

This document is licensed under a Creative Commons Attribution 3.0 License: http://creativecommons.org/licenses/by-nc-sa/3.0/

§Note on Rapid Instruction Analysis by Table Lookup
M. O'Halloran and W.M. Waite
Computer Journal, Vol. 9 No. 3; 1966.

†The development of on-line computing facilities for the KDF9 part 1: COSEC
P. C. Poole and T. Lang
Computer Journal, Vol.11 No.1; 1968.

Some aspects of the EGDON 3 operating system for the KDF9
P. C. Poole
Information Processing 68, North-Holland Publishing Company; 1969.

Developing a multi-access system online
P. C. Poole
Software: Practice and Experience, Vol.1 No.1; 1970.

Draft MITEM Preliminary Users' Manual
P.C. Poole
Culham Laboratory; 1971.

**In-Core Card Algol*
J. W. Patterson and A.I. Smith
University of Glasgow Computing Laboratory; 1969.

**The STAGE2 Macroprocessor User Reference Manual*
P. C. Poole and W. M. Waite
Culham Laboratory; 1970.

The Whetstone KDF9 ALGOL Translator
B. Randell;
Introduction to System Programming, APIC Studies in Data Processing, No.4, Academic Press; 1964.

§ALGOL 60 Implementation
B. Randell and L.J. Russell
Academic Press; 1964.

†Note on an ALGOL 60 compiler for Pegasus I
K. L. Ryder
Computer Journal, Vol.6 No.4; 1964.

SOAP – Simplify Obscure Algol Programs
R. S. Scowen, A. L. Hillman and M. Shimell
National Physical Laboratory, Central Computer Unit; 1969.

BABEL, a new programming language
R. S. Scowen
Report CC*U 7*, National Physical Laboratory; 1969.

†The IMP language and compiler
P. D. Stephens
Computer Journal, Vol.17 No.3; 1974.

A New Assembly Language for KDF9
J.T. Thomason
University of Leeds Computing Laboratory; 1970.

**Kalgol Messages*
University of Glasgow Computing Laboratory; 196?.

On the Design of a Very High-Speed Computer;
Report No. 80 2nd Edition, University of Illinois Graduate College Digital Computer Laboratory; April 1958.
For the above document, see:
`bitsavers.trailing-edge.com/pdf/univOfIllinoisUrbana/illiac/ILLIAC_I`

†A technique for program monitoring by interruption
M. R. Wetherfield
Computer Journal, Vol.9 No.2; 1966.

**The Eldon 2 operating system for KDF9*
M. Wells, D. Holdsworth and A.P. McCann
Computer Journal, Vol. 13 No. 1; 1970.

§A Modular Operating System
B. A. Wichmann
Information Processing 68, North-Holland Publishing Company; 1969.

This document is licensed under a Creative Commons Attribution 3.0 License: http://creativecommons.org/licenses/by-nc-sa/3.0/

*Some statistics from Algol programs
B.A. Wichmann
National Physical Laboratory CCU Report No.11; 1970.

§Testing ALGOL 60 Compilers
B. A. Wichmann and B. Jones
Software: Practice and Experience, Vol.6 No.1; 1970.

*Estimating the execution speed of an Algol program
B.A. Wichmann
National Physical Laboratory CCU TM1; 1970.

*The Usercode produced by the Kidsgrove Algol compiler
B.A. Wichmann
National Physical Laboratory CCU TM2; 1971.

§Five ALGOL compilers
B. A. Wichmann
Computer Journal, Vol.15 No.1; 1972.

§ALGOL 60 Compilation and Assessment
B. A. Wichmann
Academic Press; 1973.

Basic statement times for ALGOL 60
B.A. Wichmann
National Physical Laboratory, Teddington, Middlesex; 1973.

*Ackermann's function: a study in the efficiency of calling procedures
B.A. Wichmann
BIT, Vol.16, pp. 103-110; 1976.

*How to call procedures, or second thoughts on Ackermann's Function
B.A. Wichmann
Software: *Practice and Experience*, Vol.7, pp. 317-329; 1977.

*Latest results from the procedure calling test, Ackermann's function
B.A. Wichmann
NPL Report DITC 3/82; 1982.

*The GOLD Project
J. M. Wilson
University of Glasgow Computing Laboratory; 1966.

†Competition for memory access in the KDF9
C. S. Wallace and B. G. Rowswell
Computer Journal, Vol.10 No.1; 1967.

This document is licensed under a Creative Commons Attribution 3.0 License: http://creativecommons.org/licenses/by-nc-sa/3.0/